

BMW ActiveHybrid 7. BMW ActiveHybrid 7 L.



6/2012

valid from
7/2012

BMW ActiveHybrid 7			BMW ActiveHybrid 7 L
Body			
No of doors/seats		4 / 5	4 / 5
Length/width/height (unladen)	mm	5079 / 1902 / 1471	5219 / 1902 / 1481
Wheelbase	mm	3070	3210
Track, front/rear	mm	1611 / 1650	1611 / 1650
Ground clearance	mm	152	152
Turning circle	m	12.2	12.7
Tank capacity	app ltr	80	80
Cooling system incl heater	ltr	10.4	10.5
Engine oil ¹⁾	ltr	6.5	6.5
Weight, unladen, to DIN/EU	kg	1970 (2045)	1995 (2070)
Max load to DIN	kg	590	590
Max permissible	kg	2575	2585
Max axle load, front/rear	kg	1210 / 1450	1210 / 1470
Max trailer load (12%), braked/unbraked	kg	---	---
Max roofload/max towbardownl	kg	100 / ---	100 / ---
Luggage comp capacity	ltr	360	360
Air drag	Cd x A	0.28 x 2.42	0.28 x 2.42
Power Unit			
Config/No of cyls/valves		In-line six / 4	In-line six / 4
Engine technology		BMW TwinPower Turbo, second-generation direct injection (High Precision Injection)	BMW TwinPower Turbo, second-generation direct injection (High Precision Injection)
Capacity, effective	cc	2979	2979
Stroke / bore	mm	89.6 / 84.0	89.6 / 84.0
Compression ratio	:1	10.2	10.2
Fuel		min RON 91	min RON 91
Max output	kW/hp	235 / 320	235 / 320
at	rpm	5800	5800
Max torque	Nm	450	450
at	rpm	1300-4500	1300-4500
Output electric motor	kW/hp	40 / 55	40 / 55
Torque electric motor	Nm	210	210
System output	kW/hp	260 / 354	260 / 354
Electrical System			
Battery/location	Ah/-	90 / luggage comp	90 / luggage comp
Alternator	A/W	200 / 2800	200 / 2800
Driving Dynamics and Safety			
Suspension, front		Double track control arm axle with separate lower track arm level in aluminium construction, smallsteering roll radius, anti-dive	
Suspension, rear		Integral-V multi-arm axle in aluminium with steering function, anti-squat and anti-dive, double acoustic separation, air suspension with automatic height adjustment	
Brakes, front		Single-piston swing-calliper disc brakes / vented	
Brakes, rear		Single-piston fixed-calliper disc brakes / vented	
Driving stability systems		Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake	
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, active headrests at the front, three-point inertia-reel seat belts on all seats, belt latch tensioners at the front, crash sensors, Tyre Defect Indicator	
Steering		Electronic Power Steering (EPS) with speed-related steering assistance (Servotronic) and CO ₂ -optimised pump	
Steering transmission, overall	:1	17.1	
Tyres, front/rear		245/50 R18 100Y RSC	245/50 R18 100Y RSC
Rims, front/rear		8J x 18 light-alloy	8J x 18 light-alloy



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BMW ConnectedDrive			
Convenience		Optional: BMW Assist including Enquiry Service, remote-control function and RTTI Real Time Traffic Information, BMW TeleServices, integration of mobile devices, Rear Seat Entertainment, Comfort Access with contactless opening of the tailgate	
Infotainment		Optional: internet access, BMW Online including features such as Park Info, 3D City Mode, National Info, Google Local Search, News, Realtime Weather, Office functions, Speech to Text, BMW Routes, Online Update Music Tracks	
Safety		Optional: Adaptive Headlights with Cornering Lights, LED High-Beam Assistant, Park Distance Control, Side View, Top View, rear-view camera, BMW Parking Assistant, BMW Night Vision with pedestrian detection + Dynamic Light Spots, Head-Up Display, Active Cruise Control premium with Stop & Go and emergency brake assist, Lane Change Warning, Lane Departure Warning, Speed Limit Info with No Passing Info, Active Protection with Attentiveness assistant, Automatic/Advanced Emergency Call	
Transmission			
Type of transmission		Eight-speed automatic transmission with Steptronic	
Gear ratios	I	:1	4.714
	II	:1	3.143
	III	:1	2.208
	IV	:1	1.667
	V	:1	1.285
	VI	:1	1.000
	VII	:1	0.839
	VIII	:1	0.667
	Reverse	:1	3.317
Final drive		:1	2.929
Performance			
Power-to-weight ratio	kg/kW	8.4	8.5
Output per litre	kW/hp	78.9	78.9
Acceleration 0–100 km/h	sec	5.7	5.7
Standing start km	sec	25.2	25.2
Top speed	km/h	250	250
BMW EfficientDynamics			
BMW EfficientDynamics standard features		BMW ActiveHybrid, Auto Start-Stop function, ECO PRO mode, Brake Energy Regeneration, Coasting and Green Driving Assistant, Varioserve steering assistance pump, intelligent lightweight technology, air flap control, on-demand fuel pump, on-demand coolant pump, final drive with optimised thermal management, tyres with reduced rolling resistance, a/c compressor detachable, optional Dynamic Drive with on-demand pump control	
Fuel Consump EU Cycle			
Urban	ltr/100 km	6.0	6.0
Extra-urban	ltr/100 km	7.2	7.2
Combined	ltr/100 km	6.8	6.8
CO ₂	g/km	158	158
Emission rating		EU5	EU5

Specifications applicable to ACEA markets / homologation data applicable in part only to Germany (weight)

1) Oil change